Kindly amend the application as follows*:

IN THE CLAIMS

Please amend the claims as follows:

Please cancel claim 7.

B1

1. (Twice amended) A TGF-β superfamily chimeric protein, said chimeric protein comprising a dimer wherein one monomer comprises an amino acid sequence from two different members of said superfamily; wherein the monomer comprises a finger 1 subdomain, a finger 2 subdomain and a heel subdomain, wherein:

said finger 2 subdomain consists of cDMP-2 (residues 68-98 of SEQ ID NO:86);

said finger 1 subdomain comprises an amino acid sequence from a second, different member of said superfamily or a portion thereof;

said heel subdomain comprises an amino acid sequence from the second, different member of said superfamily or a portion thereof; and

wherein said monomer further comprises a conserved C-terminal cysteine skeleton.

B2

2. (Amended) ~~The chimeric protein~~ of claim 1, wherein the finger 1 subdomain comprises the amino acid sequence of OP-1 (residues 2-29 of SEQ ID NO: 55) or a portion thereof; and the heel subdomain comprises the amino acid sequence of OP-1 (residues 35-65 of SEQ ID NO: 55) or a

* An "Appendix to Amendments" is enclosed as Tab A, showing the amendments to the specification and to claims 1-3 and 5. In that Appendix, the added portion of text is underscored and the deleted portion is bracketed.

Cont B2

portion thereof.

3. (Twice amended) The chimeric protein of claim 1, wherein:

B3

the finger 1 subdomain comprises the amino acid sequence selected from the group consisting of TGF-β1 (residues 2-29 of SEQ ID NO: 40), TGF-β2 (residues 2-29 of SEQ ID NO: 41), TGF-β3 (residues 2-29 of SEQ ID NO: 42), TGF-β4 (residues 2 -29 of SEQ ID NO: 43), TGF-β5 (residues 2-29 of SEQ ID NO: 44), dpp (residues 2-29 of SEQ ID NO: 45), Vg-1 (residues 2-29 of SEQ ID NO: 46), Vgr-1 (residues 2-29 of SEQ ID NO: 47), 60A (residues 2-29 of SEQ ID NO: 48), BMP-2A (residues 2-29 of SEQ ID NO: 49), BMP-3 (residues 2-29 of SEQ ID NO: 50), BMP4 (residues 2-29 of SEQ ID NO: 51), BMP5 (residues 2-29 of SEQ ID NO: 52), BMP-6 (residues 2-29 of SEQ ID NO: 53), Dorsalin (residues 2-29 of SEQ ID NO: 54), OP-1 (residues 2-29 of SEQ ID NO: 55), OP-2 (residues 2-29 of SEQ ID NO: 56), OP-3 (residues 2-29 of SEQ ID NO: 57), GDF-1 (residues 2-29 of SEQ ID NO: 58), GDF-3 (residues 2-29 of SEQ ID NO: 59), GDF-9 (residues 2-29 of SEQ ID NO: 60), Inhibin α (residues 2-29 of SEQ ID NO: 61), Inhibin βA (residues 2-29 of SEQ ID NO: 62), Inhibin βB (residues 2-29 of SEQ ID NO: 63), CDMP-1/GDF-5 (residues 2-29 of SEQ ID NO: 83), GDF-7 (residues 2-29 of SEQ ID NO: 87), and a portion thereof; and

the heel subdomain comprises the amino acid sequence selected from the group consisting of TGF-β1 (residues 35-62 of SEQ ID NO: 40), TGF-β2 (residues 35-62 of SEQ ID NO: 41), TGF-β3 (residues 35-62 of SEQ ID NO: 42), TGF-β4 (residues 35-62 of SEQ ID NO: 43), TGF-β5 (residues 35-62 of SEQ ID NO: 44), dpp (residues 35-65 of SEQ ID NO: 45), Vg-1 (residues 35-65 of SEQ ID NO: 46), Vgr-1 (residues 35-65 of SEQ ID NO: 47), 60A (residues 35-65 of SEQ ID NO: 48), BMP-